



# The Licensing Support Network (LSN)

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*Atomic Safety & Licensing Board Panel*



# Objectives

- *Mission of the Nuclear Regulatory Commission (NRC)*
- *Purpose of the Licensing Support Network (LSN)*
- *Navigating around the LSN*
- *Search strategies*



# NRC Mission

- *Independent agency*
- *Regulates civilian use of nuclear materials*
- *Atomic Safety and Licensing Board Panel (ASLBP) conducts all licensing and other hearings as directed by the Commission*





# Purpose of the LSN

- *Built by the NRC*
- *Responds to Congressional mandate*
  - *10 C.F.R. 2, Subpart J*
  - *3 years for Yucca Mountain proceeding*
- *Document discovery*
  - *All parties' relevant documents accessible*
- *[www.lsnnet.gov](http://www.lsnnet.gov)*



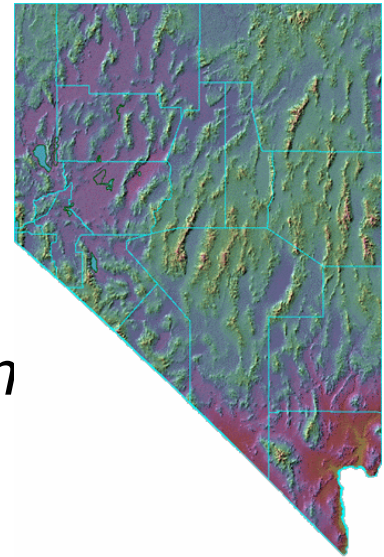
# Purpose of the LSN (cont.)

- *Documents provided in electronic format with bibliographic header*
- *Web portal, not a repository*
- *Search engine*
- *Points to documents on participants' web servers*
- *Includes bibliographic headers, searchable full text, and some images*



# Who's Involved

- *NRC operates central LSN search site*
- *Participants maintain their file collection*
- *Parties and potential parties:*
  - *State of Nevada*
  - *Affected Units of Local Government*
  - *Tribal Interests*
  - *Nevada Nuclear Waste Task Force*
  - *U.S. Nuclear Regulatory Commission*
  - *U.S. Department of Energy*
  - *Nuclear Industry*





# Certification Timing

- *DOE = license application submission no earlier than 6 months after its LSN certification*
- *NRC = no later than 30 days after DOE*
- *All others = no later than 90 days after DOE*
- *Continue loading*





# Documents Currently Online

- *More than 1,300,000 documents online*
- *Participants online:*
  - *Churchill County*
  - *Clark County*
  - *DOE*
  - *Eureka County*
  - *Lander County*
  - *Las Vegas*
  - *Lincoln County*
  - *Mineral County*
  - *Nuclear Energy Institute*
  - *NRC*
  - *White Pine County*
- *“Grayed out” until certification:*
  - *Nye County*
- *Connecting soon:*
  - *Nevada*





# Availability

- *LSN primary mission -- support scientific and legal teams of the parties to the proceeding*
- *Distinguishes between priority users and public*
  - *To ensure participant access during peak usage*
- *Participants can obtain priority user IDs*
  - *Save searches*
  - *Identify recently added items*
- *Public may lose ability to search via LSN*



# Search: A Google-Like Simple Search

**Quick References**

- [42 USC 108, Nuclear Waste Policy Act of 1982, as Amended](#)
- [10 CFR 2](#)
- [10 CFR 50](#)
- [10 CFR 63](#)
- [NRC FOIA Requests](#)
- [NRC News Releases](#)
- [5 USC 552, FOIA](#)
- [NRC's Yucca Mountain Review Plan](#)
- [EPA's Laws & Regulations on Yucca Mountain](#)

Search by LSN Document information fields, natural language query or boolean query.

• **Accession Number** HELP  
This search provides direct access to a document if you know the document LSN or Participant Accession Number.

LSN:  **Search**

OR

Participant:  **Search**

• **Document Content** HELP  
Search the LSN Document Collection of text content using a word, group of words or a natural language query.

**Search**

The Licensing Support Network (LSN) is an official United States Government web site.  
Please e-mail your comments and suggestions to the [LSN Webmaster](#).



# . . . Will Result in This





# Using Advanced Search

LSN Advanced Search

**Document Information**

Title:

Date: From: Jan / 01 / 1990 To: Dec / 31 / 1999

Number:

Type: Report

**Author Information**

Name:

Organization: DOE

**Addressee Information**

Name:

Organization: NRC

**Related Record Information**

Number:

Code:

**Accession Numbers**

LSN:

Participant:

**Information Sources**

☐ Churchill County, NV ☐ Clark County, NV

☒ U.S. Department of Energy ☐ Eureka County, NV

☐ City of Las Vegas ☐ Lincoln County, NV



# Search Using Suggest More

91% **DOE** [DATE - DATA RECORDS OF REPTILES CAPTURED AT YUCCA MOUNTAIN, NYE COUNTY, NEVADA DURING 1991-1995 SUMMARIZED BY PLACE AND DATE \(C\)](#)  
LSN #: DEN000500554 Participant #:  
MOL.20000228.0596 Document Date: 10/11/1999  
Sauria Phrynosomatidae 8/27/1991 COL COL2T hand 4 Phrynosoma platyrhinos desert homed lizard Sauria Phrynosomatidae 8/27/1991 COL COL2T trap 1 Phrynosoma platyrhinos desert homed lizard.

☒ 91% **DOE** [MYCOPLASMA AGASSIZII IS THE ETIOLOGIC AGENT OF UPPER RESPIRATORY TRACT DISEASE IN THE GOPHER TORTOISE \(GOPHERUS POLYPHEMUS\) \(C\)](#)  
LSN #: DEN000336885 Participant #:  
MOL.20020402.0568 Document Date: 01/01/1995  
DESERT TORTOISE COUNCIL,DESERT TORTOISE COUNCIL,DESERT TORTOISE COUNCIL,DESERT TORTOISE COUNCIL,DESERT TORTOISE COUNCIL,DESERT TORTOISE COUNCIL,DESERT TORTOISE COUNCIL,DESERT TORTOISE COUNCIL.

90% **DOE** [MONTHLY TECHNICAL REPORT CONTRACT NO. 14-08-0001-22710 REPORTING PERIOD: 1 JUNE THROUGH 30 JUNE 1990](#)  
LSN #: DEN000398758 Participant #:  
ALA.20040314.3170 Document Date: 06/30/1990  
Desert tortoise survey. 2 Technicians 06/05/90 CPX3 Desert tortoise survey. Preventive maintenance and calibrate IAW SP-11, R1. Desert tortoise survey. Preventive maintenance and calibrate IAW SP-11, R1. Desert tortoise survey.

**Suggest More**

Currently displaying results 1-25 of 7484 total hits  
Query executed at Tuesday August 3, 2004 3:23 PM EDT





# Search Via Saved Queries

**Licensing Support Network (LSN)** Privacy and Disclaimer Notices  
Margie Janney

Home • Adv. Search • eDocket • eMotion • Links • **Queries** • Logout • ? HELP

**Site Information**

- LSN Home Page
- About LSN
- Calendar of Events
- LSN Participants
- LSN Hours of Operation
- Announcements
- Changed Documents
- LSN Web Site Links and Services
- Document Requests / POCs

**My LSN**

- Edit LSN Profile
- Change Password

**Quick References**

- 42 USC 108, Nuclear Waste Policy Act of 1982, as Amended
- 10 CFR 2
- 10 CFR 50
- 10 CFR 51
- 10 CFR 63
- Nuclear Regulatory Commission
- NRC FOIA Guide
- NRC News Releases
- 5 USC 552, FOIA

**Saved Queries**

**My Saved Queries**

Query Name	Created	Modified	Shared	Commands
<a href="#">desert tortoise 1990's</a>	09/04/2004 18:32	10/26/2004 09:53	Yes	
<a href="#">Everything</a>	05/20/2004 15:37	05/24/2004 15:17	Yes	

**My Organization's Shared Queries**

Query Name	Created	Modified	Owner	Commands
<a href="#">EIS</a>	06/22/2004 11:11	06/22/2004 11:13	Dan Graser	
<a href="#">Matt's Query with a bunch of stuff</a>	04/09/2004 11:00	04/09/2004 11:00	Matthew Schmit	
<a href="#">Test saved query</a>	04/22/2004 15:10	04/22/2004 15:10	Matthew Schmit	

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# Search Results

Intelligent summary



Currently displaying results 1-25 of 25336 total hits

Select	Rel%	Source	Title/Accession Numbers/Description	Commands
<input type="checkbox"/>	97%	DOE	<u>FINAL REPORT - A SUMMARY AND DISCUSSION OF HYDROLOGIC DATA FROM THE CALICO HILLS NONWELDED HYDROGEOLOGIC UNIT AT YUCCA MOUNTAIN, NEVADA</u> LSN #: DEN000700771 Participant #: NNA.19921116.0001 Document Date: 01/01/1993 Zeotized tuff all - Vitnc tuff Basal vitmphyre 12 , E Ln C+ W N None of the aquifer tests were conducted in vitric tuffs. Evaluate whether partial welding in tuffs has significant effects on hydrologic processes relative to those in nonwelded tuff.	
<input type="checkbox"/>	97%	DOE	<u>STRATIGRAPHIC AND VOLCANO-TECTONIC RELATIONS OF CRATER FLAT TUFF AND SOME OLDER VOLCANIC UNITS, NYE COUNTY, NEVADA</u> LSN #: DEN000689430 Participant #: NNA.19870518.0075 Document Date: 01/01/1984 This unit is here informally designated as the tuff of Yucca Flat. Although older, it may be genetically related to the Crater Flat Tuff. Certain significant petrographic features of these older tuffs are noteworthy.	
<input type="checkbox"/>	97%	DOE	<u>STRATIGRAPHIC AND STRUCTURAL CHARACTERISTICS OF VOLCANIC ROCKS IN CORE HOLE USW G-4, YUCCA MOUNTAIN, NYE COUNTY, NEVADA</u> LSN #: DEN000688165 Participant #: NNA.19890804.0012 Document Date: 01/01/1984 Yucca Mountain Member, bedded tuff, and Pah Canyon Member. 12 Bedded tuff Major stratigraphic units include the Paintbrush Tuff, tuffaceous beds of Calico Hills, and Crater Flat Tuff. The major constituent of these tuffs is vitric pumice clasts.	
<input type="checkbox"/>	97%	DOE	<u>RESULTS AND INTERPRETATION OF PRELIMINARY AQUIFER TESTS IN BOREHOLES UE-25C #1, UE-25C #2, AND UE-25C #3, YUCCA MOUNTAIN, NYE COUNTY, NEVADA -</u>	



Select to view header, text, image



# Using Information Found in Header

LSN Document Viewer - Microsoft Internet Explorer provided by NRC

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Favorites History Mail Print Edit

Address <http://www.lsrnet.gov/docview.aspx?mode=3&lsn=NRC000025454&ic=1&im=0&sc=1&sm=0> infoseek Links

HEADER VIEW: NRC000025454 - ML003741963

Evaluation of Alternative Materials for Emplacement Drift Ground Control BCAA00000-01717-0200-00013 REV 00

<b>LSN Accession #</b>	NRC000025454
<b>Information Source</b>	NRC
<b>Participant Accession #</b>	ML003741963
<b>Title</b>	Evaluation of Alternative Materials for Emplacement Drift Ground Control BCAA00000-01717-0200-00013 REV 00
<b>Document Date</b>	06/30/1999
<b>Comments</b>	
<b>Non-Digital Media</b>	Electronic
<b>QA Record Indicator</b>	
<b># Of Images</b>	33
<b>Descriptors</b>	NRC000025454
<b>Access Controls</b>	Publicly Available Non-Sensitive
<b>Addressee Names</b>	
<b>Addressee Orgs</b>	
<b>Author Names</b>	McKenzie D G, Nolting R, Tang D, Thiers G R
<b>Author Orgs</b>	US Dept of Energy  Office of Civilian Radioactive Waste Mgmt (OCRWM)
<b>Document Numbers</b>	BCAA00000-01717-0200-00013 Rev 00
<b>Document Types</b>	Report, Technical
<b>Packages Ids</b>	
<b>Related Record #s</b>	
<b>Related Record Codes</b>	
<b>Traceabilities</b>	
<b>Versions</b>	

Done Internet

Start GroupWise - Trash Microsoft PowerPo... Licensing Support... LSN Search Resul... LSN Document ... 11:38 AM

**Date of document**

**Size of document**

**Expect text/image online?**





# Track Changed Documents

← → × \$ Home [Icons] Privacy and Disclaimer Notices

## Licensing Support Network (LSN)

Home · Adv. Search · eDocket · eMotion · Links · Login · ? HELP

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- [LSN Home Page](#)
- [About LSN](#)
- [Calendar of Events](#)
- [LSN Participants](#)
- [LSN Hours of Operation](#)
- [Announcements](#)
- [Changed Documents](#)

### Quick References

- [42 USC 108, Nuclear Waste Policy Act of 1982, as Amended](#)
- [10 CFR 2](#)
- [10 CFR 50](#)
- [10 CFR 63](#)
- [NRC FOIA Requests](#)
- [NRC News Releases](#)
- [5 USC 552, FOIA](#)
- [NRC's Yucca Mountain Review Plan](#)
- [EPA's Laws & Regulations on Yucca Mountain](#)

## LSN Changed Documents

Reported within the past:

Select Information Source:

**Generate Report**

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Please e-mail your comments and suggestions to the [LSN Webmaster](#).



# Links for Research

The screenshot shows the Licensing Support Network (LSN) website. The browser window has a toolbar with various icons. The website header includes the title "Licensing Support Network (LSN)" and a "Privacy and Disclaimer Notices" link. A navigation bar contains links: Home, Adv. Search, eDocket, eMotion, Links, Login, and HELP. The main content area is divided into several sections:

- Site Information**
  - [LSN Home Page](#)
  - [About LSN](#)
  - [Calendar of Events](#)
  - [LSN Participants](#)
  - [LSN Hours of Operation](#)
  - [Announcements](#)
  - [Changed Documents](#)
- Quick References**
  - [42 USC 108, Nuclear Waste Policy Act of 1982, as Amended](#)
  - [10 CFR 2](#)
  - [10 CFR 50](#)
  - [10 CFR 51](#)
  - [10 CFR 63](#)
  - [NRC FOIA Guide](#)
  - [NRC News Releases](#)
  - [5 USC 552, FOIA](#)
  - [NRC's Yucca Mountain Review Plan](#)
  - [EPA's Laws & Regulations on Yucca Mountain](#)
- LSN Links**
  - [U.S. Department of Energy, Office of Civilian Radioactive Waste Management](#)
  - [U.S. Environmental Protection Agency, Yucca Mountain](#)
  - [U.S. Nuclear Regulatory Commission](#)
  - [U.S. Nuclear Waste Technical Review Board](#)
  - [State of Nevada, Nuclear Waste Project Office](#)
  - [Churchill County, Nevada, the Yucca Mountain Project](#)
  - [Clark County, Nevada, Nuclear Waste Program](#)
  - [Esmeralda County, Nevada](#)
  - [Eureka County, Nevada, Nuclear Waste Page](#)
  - [Inyo County, California, Yucca Mountain Repository Assessment Office](#)
  - [Lander County, Nevada](#)
  - [Lincoln County, Nevada, Repository Oversight](#)
  - [Mineral County, Nevada](#)
  - [Nye County, Nevada, Nuclear Waste Repository Project Office](#)
  - [White Pine County, Nevada](#)
  - [National Congress of American Indians, Nuclear Waste Program](#)
  - [Nuclear Energy Institute, Nuclear Waste Disposal](#)
  - [Nevada Nuclear Waste Task Force](#)
- Other Federal Web Sites**
  - [FirstGov](#)
- Other Related Web Sites**
  - [Electronic Hearing Docket](#)
  - [Electronic Information Exchange](#)



# Link to Electronic Information Exchange (EIE)

A screenshot of the Licensing Support Network (LSN) website. The browser window shows the address bar with the URL "http://www.nrc.gov/lsn". The website has a blue header with the text "Licensing Support Network (LSN)" and "Privacy and Disclaimer Notices". Below the header is a navigation bar with links: "Home", "Adv. Search", "eDocket", "eMotion", "Links", "Login", and "HELP". The "eMotion" link is circled in red. The main content area is titled "Electronic Motions" and contains the following text: "A motion is an application made to a presiding officer for the purpose of obtaining a ruling or order directing some act to be done in favor of the requesting party." and "All motions in the proceeding on the application for a license to receive and possess waste at a geologic repository operations area must be filed into the Electronic Hearing Docket (EHD), unless made orally on the record. Motions must be filed via NRC's Electronic Information Exchange (EIE) system, in accordance with 10 C.F.R. 2.1013(c).". Below this text is a red oval containing the text "To use the NRC's EIE system, follow this link." and a link to "http://www.nrc.gov/lsn/eie/eie.html". The left sidebar contains "Site Information" and "Quick References" sections with various links. The footer contains the text "The Licensing Support Network (LSN) is an official United States Government web site." and "Please e-mail your comments and suggestions to the LSN Webmaster."



# Help is Available

**Licensing Support Network (LSN) - Microsoft Internet Explorer provided by Provided by USNRC**

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Mail Print Scissors Copy Paste

Address <http://www.lsnnet.gov/home.aspx?pg=help> Infoseek Go

**Licensing Support Network (LSN)** Privacy and Disclaimer Notices Dan Graser

Home · Adv. Search · eDocket · eMotion · Links · Queries · Logout · HELP

**Help Navigation**

- LSN Help Home Page

**Lessons**

- [Login/Logout](#)
- [Navigating Around the LSN](#)

**Searching Topics**

- [General Search](#)
- [Advanced Search](#)
- [Field Search](#)
- [Content Search](#)
- [Saved Queries](#)
- [Search Results](#)

**Miscellaneous Topics**

- [FAQ](#)
- [File Viewers \(plug-ins\)](#)
- [Other Downloads](#)

## Licensing Support Network

Welcome to the Licensing Support Network (LSN) help section. To assist you in finding your help area of interest, this help section has been broken into topical areas (see links on the left side of this page). The help pages have been written as concise as possible with available links within each page (where applicable) to allow you to obtain more detailed information. In addition, some of these web pages use examples (e.g., screen shots) as an aid to understanding how a particular function works (e.g., advanced search). If you are unable to find the help you are looking for or have a suggestion on how we can improve this help section, please use the "comments and suggestions" e-mail link at the bottom of this page.

The Licensing Support Network (LSN) World Wide Web portal has been developed to make documentary material and other pertinent information available electronically to parties, potential parties, and interested governmental participants to the proceeding for a license to receive and possess high-level nuclear waste at a geologic repository.

The documents for search and retrieval on the LSN have been made available by parties to the proceeding. Parties to the proceeding include, but are not limited to, The Department of Energy (DOE), The Nuclear Regulatory Commission (NRC), and Nye County Nevada. When a result is returned from a query, the "Source" is identified by a three letter code (e.g., NRC, DOE, NYE).

Because the LSN provides access to information from multiple sources, there are multiple formats for the documents and some require special viewers. Please see the [File Viewers \(plug-ins\)](#) help page for more information.

For additional help sources you might try:

- The LSN Web Based Lessons
- Consult with an LSN "expert" within your organization

The Licensing Support Network (LSN) is an official United States Government web site. Please e-mail your comments and suggestions to the [LSN Webmaster](#).

<http://www.lsnnet.gov/home.aspx?pg=queries> Internet

Start GroupWise - Mailbox Microsoft PowerPoint - [...] Licensing Support Net... 3:29 PM

Topic walk-throughs



# Quick Help

Licensing Support Network (LSN) - Microsoft Internet Explorer provided by Provided by USNRC

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media

Address <http://www.lsnnet.gov/home.aspx?pg=advsearch> infoseek

**Licensing Support Network (LSN)** Privacy and Disclaimer Notices Dan Graser

Home Adv. Search eDocket eMotion Links Queries Logout ? HELP

## LSN Advanced Search

**Document Information**

Title:

Date: From:  /  /  To:  /  /

Number:

Type:

**Author Information**

Name:

Organization:

**Addressee Information**

Name:

Organization:

**Related Record Information**

Number:

Code:

**Accession Numbers**

LSN:

Participant:

**Information Sources**

☒ Churchill County, NV

☒ U.S. Department of Energy

☒ City of Las Vegas

**LSN Popup Help - Microsoft Internet Ex...**

### Document Date

The date on which the document was completed, issued, effective, or published. If the date is unknown, information in the document is used to estimate a date.

You may use the following date options for your search:

- Leave both the "From" and "To" dates empty, indicating that you do not want to limit your criteria to a date range.
- Enter only the "From" date, meaning 'give me all documents with a date on or after the date specified'.
- Enter only the "To" date, meaning 'give me all the documents with a date before or equal to the date specified'.
- Enter both dates, meaning 'limit the documents to the date range specified'.

When entering dates, you must select the month from the drop-down list, type in the day, and type in the four digit year.

**Help pop-ups**



# In Summary

- *Single, well-organized site*
- *Using powerful retrieval software*
- *With comprehensive tools to find and identify documents*
- *Focused result sets*
- *To overcome drawbacks of a large, homogenous collection*



# Point of Contact

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